

ABSTRACT:

A main object of the present invention is to provide a corundum crystal formed body comprising a corundum crystal grown directly on a base material and a production process capable of producing the corundum crystal formed body easily at low costs. The present invention provides a corundum crystal formed body comprising a platinum base material and a corundum crystal portion formed on the platinum base material. Further, the present invention provides a process for producing a corundum crystal formed body, wherein a corundum crystal is formed on a platinum base material by a flux evaporation method of heating a sample containing a raw material and a flux to precipitate a crystal and grow the crystal by use of flux evaporation as driving force.